

## Callaway2COLPEm Resource

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**From:** Arora, Surinder  
**Sent:** Thursday, June 18, 2009 2:27 PM  
**To:** Shafer, David E  
**Cc:** Callaway2COL Resource; Colaccino, Joseph; Hodgdon, Ann; Jackson, Terry; Cheung, Calvin; Canova, Michael; NPUnit2-EPR@ameren.com  
**Subject:** Final RAI N0. 25 (eRAI 2917) - Public  
**Attachments:** FINAL RAI 2917.doc

Dave,

Attached please find the subject request for additional information (RAI). A draft of this RAI was provided to you on June 2, 2009. Based on your email dated June 17, 2009, no clarifications were needed on this RAI.

The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a schedule date for submitting your technically correct and complete response will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the review schedule.

Your response letter should also include a statement confirming that the response does or does not contain any sensitive or proprietary information.

Thanks.

**SURINDER ARORA, PE**  
**PROJECT MANAGER,**  
**Office of New Reactors**  
**US Nuclear Regulatory Commission**

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**Subject:** Final RAI N0. 25 (eRAI 2917) - Public  
**Sent Date:** 6/18/2009 2:27:04 PM  
**Received Date:** 6/18/2009 2:27:05 PM  
**From:** Arora, Surinder

**Created By:** Surinder.Arora@nrc.gov

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**Post Office:** HQCLSTR01.nrc.gov

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MESSAGE	1446	6/18/2009 2:27:05 PM
FINAL RAI 2917.doc	28666	

**Options**

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Request for Additional Information No. 2917 Revision 0

6/18/2009

Callaway Unit 2

AmerenUE

Docket No. 52-037

SRP Section: 07.01-A Appendix - Acceptance Criteria and Guidelines for Instrumentation and Control Systems Important to Safety

Application Section: SCOL FSAR Chapter 7

QUESTIONS for Instrumentation, Controls and Electrical Engineering 1 (AP1000/EPR Projects) (ICE1)

07.01-A Appendix-1

Describe the site-specific post-accident monitoring (PAM) variables related to meteorological, radiation monitoring, and other site-specific instrumentation.

10 CFR 52.79(a)(17) and 50.34(f)(2)(xvii) require, in part, continuous sampling of radioactive iodines and particulates in gaseous effluents from all potential accident release points, and for onsite capability to analyze and measure these samples. Additionally, 10 CFR Part 50, Appendix A, General Design Criteria (GDC) 13 requires, in part, that instrumentation be provided to monitor variables and systems over their anticipated ranges for normal operation, for anticipated operational occurrences, and for accident conditions. Regulatory Guide 1.97, Revision 4, "Criteria for Accident Monitoring Instrumentation for Nuclear Power Plants," provides a basis for evaluating conformance to GDC 13. Regulatory Guide 1.97 endorses IEEE Std. 497-2002, "IEEE Standard Criteria for Accident Monitoring Instrumentation for Nuclear Power Generating Stations," which addresses selecting and categorizing post -accident monitoring variables. Describe the site-specific post-accident monitoring (PAM) variables related to meteorological, radiation monitoring, and other site-specific instrumentation.